

AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

1-20. (Cancelled)

21. (New) A method for transmitting IP packets between a Radio Network Controller (RNC) and another element in a mobile radio network, comprising:

receiving, at the Radio Network Controller, an IP packet that was sent in an uplink direction by a mobile terminal, the IP packet comprising a first coder-decoder mode indication which indicates a coder-decoder mode with which a downlink is originally requested;

generating an encapsulation of the IP packet by the Radio Network Controller by generating a header which comprises a second coder-decoder mode indication;

forwarding the encapsulated IP packet to a coder-decoder mode indication exchange system, where the first coder-decoder mode indication is replaced with the second coder-decoder mode indication; and

forwarding the IP packet with the replaced coder-decoder mode indication to a recipient terminal.

22. (New) The method according to claim 21, wherein the second coder-decoder mode indication is based on a current situation on an air interface.

23. (New) The method according to claim 21, wherein the IP packet that was sent in uplink direction by the mobile terminal, before arrival at the Radio Network Controller, is encapsulated in an original encapsulation, the original encapsulation comprising a third coder-decoder mode indication which is exchanged by generating the encapsulation of the IP packet with the second coder-decoder mode indication.

24. (New) The method according to claim 21, wherein the IP packet is converted to an Optimized Codec Support Frame format for transport in a GTP tunnel and divided into RAB subflows for transport between the Radio Network Controller and mobile terminal.

25. (New) The method according to claim 21, wherein the forwarding of the encapsulated IP packet to the coder-decoder mode indication exchange system is performed via a gateway GPRS support node.

26. (New) A system for transmitting IP packets between a Radio Network Controller (RNC) and another element in a mobile radio network, comprising

a Radio Network Controller for receiving an IP packet that was sent in uplink direction by a mobile terminal, the IP packet comprising a first coder-decoder mode indication which indicates a coder-decoder mode with which a downlink is originally requested;

the Radio Network Controller comprising a unit for generating an encapsulation of the IP packet by generating a header which comprises a second coder-decoder mode indication;

the Radio Network Controller comprising a unit forwarding the encapsulated IP packet to a coder-decoder mode indication exchange system; and

the coder-decoder mode indication exchange system comprising a unit for replacing the first coder-decoder mode indication with the second coder-decoder mode indication, and a unit for forwarding the IP packet with the replaced coder-decoder mode indication towards a recipient terminal.

27. (New) The system according to claims 26, wherein the second coder-decoder mode indication is based on a current situation on an air interface.

28. (New) The system according to claim 26, wherein the unit for generating an encapsulation of the IP packet is adapted for exchanging a third coder-decoder mode indication which is comprised by an original encapsulation for the IP packet with the second coder-decoder mode indication.

29. (New) The system according to claim 26, comprising

a unit for converting the IP packet to an Optimized Codec Support Frame format for transport in a GTP tunnel and a unit for dividing the IP packet into RAB subflows for transport between the Radio Network Controller and mobile terminal.

30. (New) The system according to claim 26, comprising

a gateway GPRS support node which is located between the Radio Network Controller and the coder-decoder mode indication exchange system.